## Death Rate among Surgical Inpatients with Serious Treatable Complications

# Patient Safety Indicators #4 Technical Specifications

Provider-Level Indicator
AHRQ Quality Indicators, Version 4.3, August 2011

## **Numerator**

All discharges with a disposition of "deceased" (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

## **Denominator**

All surgical discharges age 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium) defined by specific DRGs or MS-DRGs and an ICD-9-CM code for an operating room procedure, principal procedure within 2 days of admission OR admission type of elective (ATYPE=3) with potential complications of care listed in Death among Surgical definition (e.g., pneumonia, DVT/PE, sepsis, shock/cardiac arrest, or GI hemorrhage/acute ulcer).

See Patient Safety Indicators Appendices:

- Appendix A Operating Room Procedure Codes
- Appendix D Surgical Discharge DRGs
- Appendix E Surgical Discharge MS-DRGs

## Exclude cases:

- age 90 years and older
- transferred to an acute care facility (DISP = 2)
- with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)
- with diagnosis of influenza

NOTE: Additional exclusion criteria are specific to each diagnosis.

## FTR 2 - DVT/PE

A diagnosis of pulmonary embolism or deep vein thrombosis in any secondary diagnosis field.

#### ICD-9-CM Pulmonary embolism and deep vein thrombosis diagnosis codes:

Pulmonary Embolism		41519	PULMONARY EMBOLISM AND
4151	PULMONARY EMBOLISM AND		INFARCTION, OTHER
	INFARCTION	Deep Veir	Thrombosis
41511	IATROGENIC PULMONARY		
	EMBOLISM AND INFARCTION		

45111	PHLEBITIS AND THROMBOSIS OF FEMORAL VEIN (DEEP)	45340	DVT-EMBLSM LOWER EXT NOS (OCT04)
	(SUPERFICIAL)	45341	DVT-EMB PROX LOWER EXT (OCT04)
45119	PHLEBITIS AND THROMBOPHLEBITIS OF DEEP VESSEL OF LOWER EXTREMITIES – OTHER	45342	DVT-EMB DISTAL LOWER EXT (OCT04)
45181	PHLEBITIS AND THROMBOPHLEBITIS OF ILIAC VEIN		

#### Exclude cases:

- with a diagnosis of pulmonary embolism or deep vein thrombosis in the principal diagnosis field
- with a diagnosis of abortion-related or postpartum obstetric pulmonary embolism in the principal diagnosis field
- with diagnosis of influenza

## ICD-9-CM Abortion-related and postpartum obstetric pulmonary Eembolism diagnosis codes:

1000	on Abortion related and postpartain obstet	nio panno	nary Echibonom alagnosis coacs.
63460	SPONTANEOUS ABORTION W/	63762	ABORTION NOS W/ EMBOLISM -
	EMBOLISM - UNSPECIFIED		COMPLETE
63461	SPONTANEOUS ABORTION W/	6386	ATTEMPTED ABORTION W/ EMBOLISM
	EMBOLISM - INCOMPLETE	6396	POSTABORTION EMBOLISM
63462	SPONTANEOUS ABORTION W/	67320	OBSTETRICAL BLOOD-CLOT EMBOLISM,
	EMBOLISM - COMPLETE		UNSPECIFIED AS TO EPISODE OF CARE
63560	LEGAL ABORTION W/ EMBOLISM -		OR NOT APPLICABLE
	UNSPECIFIED	67321	OBSTETRICAL BLOOD-CLOT EMBOLISM,
63561	LEGAL ABORTION W/ EMBOLISM -		DELIVERED, W/ OR W/O MENTION OF
	INCOMPLETE		ANTEPARTUM CONDITION
63562	LEGAL ABORTION W/ EMBOLISM -	67322	OBSTETRICAL BLOOD-CLOT EMBOLISM,
	COMPLETE		DELIVERED, W/ MENTION OF
63660	ILLEGAL ABORTION W/ EMBOLISM -		POSTPARTUM COMPLICATION
	UNSPECIFIED	67323	OBSTETRICAL BLOOD-CLOT EMBOLISM,
63661	ILLEGAL ABORTION W/ EMBOLISM -		ANTEPARTUM CONDITION OR
	INCOMPLETE		COMPLICATION
63662	ILLEGAL ABORTION W/ EMBOLISM -	67324	OBSTETRICAL BLOOD-CLOT EMBOLISM,
	COMPLETE		POSTPARTUM CONDITION OR
63760	ABORTION NOS W/ EMBOLISM -		COMPLICATION
	UNSPECIFIED		
63761	ABORTION NOS W/ EMBOLISM -		
	INCOMPLETE		

## **ICD-9-CM** Influenza diagnosis codes:

48801	FLU DT IDEN AVIAN W PNEU	48811	FLU DT H1N1 W PNEU
48802	FLU DT AVIAN W OTH RESP	48812	FLU DT H1N1 W OTH RESP
48809	FLU DT AVIAN MANFEST NEC	48819	FLU DT H1N1 MANFEST NEC

## FTR 3 - Pneumonia

A diagnosis of pneumonia in any secondary diagnosis field.

## **ICD-9-CM Pneumonia diagnosis codes:**

4820	PNEUMONIA DUE TO KLEBSIELLA	48231	PNEUMONIA DUE TO STREPTOCOCCUS
	PNEUMONIAE		– GROUP A
4821	PNEUMONIA DUE TO PSEUDOMONAS	48232	PNEUMONIA DUE TO STREPTOCOCCUS
4822	PNEUMONIA DUE TO HEMOPHILUS		– GROUP B
	INFLUENZAE [H. INFLUENZAE]	48239	PNEUMONIA DUE TO STREPTOCOCCUS
4823	PNEUMONIA DUE TO STREPTOCOCCUS		<ul> <li>OTHER STREPTOCOCCUS</li> </ul>
48230	PNEUMONIA DUE TO STREPTOCOCCUS	4824	PNEUMONIA DUE TO
	<ul> <li>STREPTOCOCCUS, UNSPECIFIED</li> </ul>		STAPHYLOCOCCUS

48240	PNEUMONIA DUE TO STAPHYLOCOCCUS – PNEUMONIA DUE TO STAPHYLOCOCCUS, UNSPECIFIED	48283	PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA – OTHER GRAM-NEGATIVE BACTERIA
48241	METHICILLIN SUSCEPTIBLE PNEUMONIA DUE TO	48284	PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA – LEGIONNAIRES' DISEASE
48242	STAPHYLOCOCCUS AUREUS (OCT08) METHICILLIN RESISTANT PNEUMONIA DUE TO STAPHYLOCOCCUS AUREUS	48289	PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA – OTHER SPECIFIED BACTERIA
48249	(OCT08) PNEUMONIA DUE TO STAPHYLOCOCCUS – OTHER	4829 485	BACTERIAL PNEUMONIA UNSPECIFIED BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED
4828	STAPHYLOCOCCUS PNEUMONIA PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA	486 5070	PNEUMONIA, ORGANISM UNSPECIFIED DUE TO INHALATION OF FOOD OR VOMITUS
48281	PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA – ANAEROBES	514	PULMONARY CONGESTION AND HYPOSTASIS
48282	PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA – EXCHERICHIA COLI [E COLI]		

#### Exclude cases:

- with a diagnosis of pneumonia or respiratory complications in the principal diagnosis field
- with any diagnosis code for viral pneumonia
- with diagnosis of influenza
- with any diagnosis of or procedure for immunocompromised state
- MDC 4 (diseases/disorders of respiratory system)
- with a lung cancer procedure

See Patient Safety Indicators Appendices:

• Appendix I – Immunocompromised State Diagnosis and Procedure Codes

## ICD-9-CM Respiratory complications diagnosis code:

9973 RESPIRATORY COMPLICATIONS

#### ICD-9-CM Viral pneumonia diagnosis codes:

.000	ow vital prieditionia diagnosis codes.			
4800	ADENOVIRAL PNEUMONIA	4847	PNEUMONIA IN OTHER SYSTEMIC	
4801	RESPIRATORY SYNCYTIAL VIRAL		MYCOSES	
	PNEUMONIA	4848	PNEUMONIA IN INFECTIOUS DISEASE	
4802	PARAINFLUENZA VIRAL PNEUMONIA		NOT ELSEWHERE CLASSIFIED	
4803	PNEUMONIA DUE TO SARS (OCT03)	4870	INFLUENZA W/ PNEUMONIA	
4808	VIRAL PNEUMONIA NOT ELSEWHERE	4871	FLU W/ RESPIRATORY MANIFEST NOT	
	CLASSIFIED		ELSEWHERE CLASSIFIED	
4809	VIRAL PNEUMONIA UNSPECIFIED	4878	FLU W/ MANIFESTATION NOT	
481	PNEUMOCOCCAL PNEUMONIA		ELSEWHERE CLASSIFIED	
4830	PNEUMONIA DUE TO MYCOPLASMA	488	FLU D/T AVIAN FLU VIRUS	
	PNEUMONIAE	4880	INFLUENZA DUE TO IDENTIFIED AVIAN	
4831	PNEUMONIA DUE TO CHLAMYDIA		INFLUENZA VIRUS (OCT09)	
4838	PNEUMONIA DUE TO OTHER SPECIFIED	4881	INFLUENZA DUE TO IDENTIFIED NOVEL	
	ORGANISM		H1N1 INFLUENZA VIRUS (OCT09)	
4841	PNEUMONIA IN CYTOMEGALIC	48801	FLU DT IDEN AVIAN W PNEU	
	INCLUSION DISEASE	48802	FLU DT AVIAN W OTH RESP	
4843	PNEUMONIA IN WHOOPING COUGH	48809	FLU DT AVIAN MANFAST NEC	
4845	PNEUMONIA IN ANTHRAX	48811	FLU DT H1N1 W OTH RESP	
4846	PNEUMONIA IN ASPERGILLOSIS	48812	FLU DT H1N1 W OTH RESP	
		48819	FLU DT H1N1 MANFEST NEC	
ICD-9-CM Influenza diagnosis codes:				
		40000	ELLI DE AVAANIM OTH BECD	
48801	FLU DT IDEN AVIAN W PNEU	48802	FLU DT AVIAN W OTH RESP	

48809	FLU DT AVIAN MANFRST NEC	48812	FLU DT H1N1 W OTH RESP
48811	FLU DT H1N1 W PNEU	48819	FLU DT H1N1 MANFEST NEC
ICD-9-0 3239 3249	CM Lung cancer procedure codes: OTH SEG LUNG RESECT NOS LOBECTOMY OF LUNG NEC	3259	OTHER PNEUMONECTOMY NOS

## FTR 4 - Sepsis

A diagnosis of sepsis in any secondary diagnosis field.

ICD-9-CM	Sancie	diadr	SISA	COMPS.
100-3-011	<del>UC</del> D3I3	ulaul	10313	coucs.

יט-טיו	-civi depsis diagnosis codes.				
0380	STREPTOCOCCAL SEPTICEMIA	03841	HEMOPHILUS INFLUENZAE		
0381	STAPHYLOCOCCAL SEPTICEMIA	03842	ESCHERICHIA COLI		
03810	STAPHYLOCOCCAL SEPTICEMIA,	03843	PSEUDOMONAS		
	UNSPECIFIED	03844	SERRATIA		
03811	METHICILLIN SUSCEPTIBLE	03849	SEPTICEMIA DUE TO OTHER GRAM-		
	STAPHYLOCOCCUS AUREUS		NEGATIVE ORGANISMS		
	SEPTICEMIA (OCT08)	0388	OTHER SPECIFIED SEPTICEMIAS		
03812	METHICILLIN RESISTANT	0389	UNSPECIFIED SEPTICEMIA		
	STAPHYLOCOCCUS AUREUS	78552	SEPTIC SHOCK (OCT03)		
	SEPTICEMIA (OCT08)	78559*	SHOCK W/O MENTION OF TRAUMA-		
03819	OTHER STAPHYLOCOCCAL		OTHER		
	SEPTICEMIA	99591	SYSTEMIC INFLAMMATORY RESPONSE		
0382	PNEUMOCOCCAL SEPTICEMIA		SYNDROME DUE TO INFECTIOUS		
	(STREPTOCOCCUS PNEUMONIAE		PROCESS W/O ORGAN DYSFUNCTION		
	SEPTICEMIA)	99592	SYSTEMIC INFLAMMATORY RESPONSE		
0383	SEPTICEMIA DUE TO ANAEROBES		SYNDROME DUE TO INFECTIOUS		
03840	GRAM-NEGATIVE ORGANISM,		PROCESS W/ ORGAN DYSFUNCTION		
	UNSPECIFIED	9980	POSTOPERATIVE SHOCK		
*No longer valid in FY2005					

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## Exclude cases:

- with a diagnosis of sepsis in the principal diagnosis field
- with a principal diagnosis of infection
- with any diagnosis of or procedure for immunocompromised state
- with diagnosis of influenza
- with a length of stay of less than 4 days

See Patient Safety Indicators Appendices:

- Appendix F Infection Diagnosis Codes
- Appendix I Immunocompromised State Diagnosis and Procedure Codes

## ICD-9-CM Influenza diagnosis codes:

48801	FLU DT IDEN AVIAN W PNEU	48811	FLU DT H1N1 W PNEU
48802	FLU DT AVIAN W OTH RESP	48812	FLU DT H1N1 W OTH RESP
48809	FLU DT AVIAN MANFEST NEC	48819	FLU DT H1N1 MANFEST NEC

## FTR 5 - Shock or Cardiac Arrest

A diagnosis of shock or cardiac arrest in any secondary field or any procedure for shock or cardiac arrest.

## ICD-9-CM Shock or cardiac arrest diagnosis codes:

4275 6395	CARDIAC ARREST COMPLICATIONS FOLLOWING ABORTION AND ECTOPIC AND MOLAR PREGNANCIES, SHOCK	66913 66914	SHOCK DURING OR FOLLOWING LABOR AND DELIVERY – ANTEPARTUM CONDITION OR COMPLICATION SHOCK DURING OR FOLLOWING LABOR
66910	SHOCK DURING OR FOLLOWING LABOR AND DELIVERY – UNSPECIFIED AS TO		AND DELIVERY - POSTPARTUM CONDITION OR COMPLICATION
	EPISODE OF CARE OR NOT	7855	SHOCK NOS
	APPLICABLE	78550	SHOCK, UNSPECIFIED
66911	SHOCK DURING OR FOLLOWING LABOR	78551	CARDIOGENIC SHOCK
	AND DELIVERY – DELIVERED, W/ OR	78552	SEPTIC SHOCK (OCT03)
	W/O MENTION OF ANTEPARTUM	78559	SHOCK W/O MENTION OF TRAUMA-
	CONDITION		OTHER
66912	SHOCK DURING OR FOLLOWING LABOR	7991	RESPIRATORY ARREST
	AND DELIVERY – DELIVERED, W/	9950	OTHER ANAPHYLACTIC SHOCK
	MENTION OF POSTPARTUM	9954	SHOCK DUE TO ANESTHESIA
	COMPLICATION	9980	POSTOPERATIVE SHOCK
		9994	ANAPHYLACTIC SHOCK DUE TO SERUM
ICD-9-0	CM Shock or Cardiac Arrest procedure codes	<b>;</b> :	
9393	NONMECHANICAL METHODS OF RESUSCITATION	9963	CLOSED CHEST CARDIAC MASSAGE
9960	CARDIOPULMONARY RESUSCITATION, NOS		

## Exclude cases

- with a principal diagnosis of shock or cardiac arrest
- with a principal diagnosis of trauma
- with a principal diagnosis of hemorrhage or GI hemorrhage
- with a principal diagnosis of abortion-related shock
- with diagnosis of influenza
- with a lung cancer procedure
- MDC 4 (diseases/disorders of respiratory system)
- MDC 5 (diseases/disorders of circulatory system)

See Patient Safety Indicators Appendices:

• Appendix G – Trauma Diagnosis Codes

#### ICD-9-CM Hemorrhage diagnosis codes:

2851	ACUTE POSTHEMORRHAGIC ANEMIA	9582	CERTAIN EARLY COMPLICATIONS OF
4590	OTHER DISORDERS OF CIRCULATORY		TRAUMA, SECONDARY AND
	SYSTEM, HEMORRHAGE, UNSPECIFIED		RECURRENT HEMORRHAGE
56881	HEMOPERITONEUM (NONTRAUMATIC)	99811	HEMORRHAGE COMPLICATING A
	,		PROCEDURE

## ICD-9-CM Gastrointestinal (GI) Hemorrhage diagnosis codes:

4560	ESOPHAGEAL VARICES W/ BLEEDING	53121	GASTRIC ULCER ACUTE W/
45620	ESOPHAGEAL VARICES IN DISEASES		HEMORRHAGE AND PERFORATION – W/
	CLASSIFIED ELSEWHERE W/ BLEEDING		OBSTRUCTION
5307	GASTROESOPHAGEAL LACERATION -	53140	GASTRIC ULCER CHRONIC OR
	HEMORRHAGE SYNDROME		UNSPECIFIED W/ HEMORRHAGE - W/O
53082	ESOPHAGEAL HEMORRHAGE		MENTION OF OBSTRUCTION
53100	GASTRIC ULCER ACUTE W/	53141	GASTRIC ULCER CHRONIC OR
	HEMORRHAGE – W/O MENTION OF		UNSPECIFIED W/ HEMORRHAGE - W/
	OBSTRUCTION		OBSTRUCTION
53101	GASTRIC ULCER ACUTE W/	53160	GASTRIC ULCER CHRONIC OR
	HEMORRHAGE - W/ OBSTRUCTION		UNSPECIFIED W/ HEMORRHAGE AND
53120	GASTRIC ULCER ACUTE W/		PERFORATION – W/O MENTION OF
	HEMORRHAGE AND PERFORATION – W/O		OBSTRUCTION
	MENTION OF OBSTRUCTION		

53161	GASTRIC ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION	53420	GASTROJEJUNAL ULCER, ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION
53200	DUODENAL ULCER ACUTE W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION	53421	GASTROJEJUNAL ULCER, ACUTE W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION
53201	DUODENAL ULCER ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION	53440	GASTROJEJUNAL ULCER, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/O
53220	DUODENAL ULCER ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION	53441	MENTION OF OBSTRUCTION GASTROJEJUNAL ULCER, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/
53221	DUODENAL ULCER ACUTE W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION	53460	OBSTRUCTION GASTROJEJUNAL ULCER, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND
53240	DUODENAL ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/O		PERFORATION – W/O MENTION OF OBSTRUCTION
53241	MENTION OF OBSTRUCTION DUODENAL ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/	53461	GASTROJEJUNAL ULCER, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION
53260	OBSTRUCTION	53501	GASTRITIS AND DUODENITIS, ACUTE
33200	DUODENAL ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF	53511	GASTRITIS W/ HEMORRHAGE GASTRITIS AND DUODENITIS, ATROPHIC GASTRITIS W/ HEMORRHAGE
53261	OBSTRUCTION DUODENAL ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND	53521	GASTRITIS AND DUODENITIS, GASTRIC MUCOSAL HYPERTROPHY, W/ HEMORRHAGE
=0000	PERFORATION – W/ OBSTRUCTION	53531	GASTRITIS AND DUODENITIS,
53300	PEPTIC ULCER, SITE UNSPECIFIED, ACUTE W/ HEMORRHAGE – W/O		ALCOHOLIC GASTRITIS, W/ HEMORRHAGE
53301	MENTION OF OBSTRUCTION PEPTIC ULCER, SITE UNSPECIFIED,	53541	GASTRITIS AND DUODENITIS, OTHER SPECIFIED GASTRITIS – W/
	ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION	53551	HEMORRHAGE GASTRITIS AND DUODENITIS,
53320	PEPTIC ULCER, SITE UNSPECIFIED, ACUTE W/ HEMORRHAGE AND		UNSPECIFIED GASTRITIS AND GASTRODUODENITIS – W/ HEMORRHAGE
	PERFORATION – W/O MENTION OF OBSTRUCTION	53561	GASTRITIS AND DUODENITIS, DUODENITIS – W/ HEMORRHAGE
53321	PEPTIC ULCER, SITE UNSPECIFIED, ACUTE W/ HEMORRHAGE AND	53783	OTHER SPECIFIED DISORDERS OF STOMACH AND DUODENUM,
	PERFORATION – W/ OBSTRUCTION		ANGIODYSPLASIA OF STOMACH AND
53340	PEPTIC ULCER, SITE UNSPECIFIED, CHRONIC OR UNSPECIFIED W/	53784	DUODENUM – W/ HEMORRHAGE DIEULAFOY LESION (HEMORRHAGIC) OF
	HEMORRHAGE – W/O MENTION OF OBSTRUCTION	56202	STOMACH AND DUODENUM DIVERTICULOSIS OF SMALL INTESTINE –
53341	PEPTIC ULCER, SITE UNSPECIFIED,		W/ HEMORRHAGE
	CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/ OBSTRUCTION	56203	DIVERTICULITIS OF SMALL INTESTINE – W/ HEMORRHAGE
53360	PEPTIC ULCER, SITE UNSPECIFIED, CHRONIC OR UNSPECIFIED W/	56212	DIVERTICULOSIS OF COLON – W/ HEMORRHAGE
	HEMORRHAGE AND PERFORATION – W/O	56213	DIVERTICULITIS OF COLON - W/
53361	MENTION OF OBSTRUCTION PEPTIC ULCER, SITE UNSPECIFIED, CHRONIC OR UNSPECIFIED W/	5693 56985	HEMORRHAGE HEMORRHAGE OF RECTUM AND ANUS ANGIODYSPLASIA OF INTESTINE - W/
	HEMORRHAGE AND PERFORATION – W/	56986	HEMORRHAGE
53400	OBSTRUCTION GASTROJEJUNAL ULCER, ACUTE W/		DIEULAFOY LESION (HEMORRHAGIC) OF INTESTINE
	HEMORRHAGE – W/O MENTION OF OBSTRUCTION	5780	GASTROINTESTINAL HEMORRHAGE, HEMATEMESIS
53401	GASTROJEJUNAL ULCER, ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION	5781	GASTROINTESTINAL HEMORRHAGE, BLOOD IN STOOL

5789	GASTROINTESTINAL HEMORRHAGE, HEMORRHAGE OF GASTROINTESTINAL TRACT, UNSPECIFIED			
ICD-9-	CM Abortion-related shock diagnosis codes:			
63450	<del>_</del>	63650	ILLEGAL ABORTION W/ SHOCK - UNSPECIFIED	
63451	SPONTANEOUS ABORTION W/ SHOCK - INCOMPLETE	63651	ILLEGAL ABORTION W/ SHOCK - INCOMPLETE	
63452	SPONTANEOUS ABORTION W/ SHOCK - COMPLETE	63652	ILLEGAL ABORTION W/ SHOCK - COMPLETE	
63550	LEGAL ABORTION W/ SHOCK - UNSPECIFIED	63750	ABORTION NOS W/ SHOCK - UNSPECIFIED	
63551	LEGAL ABORTION W/ SHOCK - INCOMPLETE	63751	ABORTION NOS W/ SHOCK - INCOMPLETE	
63552	LEGAL ABORTION W/ SHOCK - COMPLETE	63752 6385	ABORTION NOS W/ SHOCK - COMPLETE ATTEMPTED ABORTION W/ SHOCK	
ICD-9-CM Influenza diagnosis codes:				
48801 48802	FLU DT IDEN AVIAN W PNEU FLU DT AVIAN W OTH RESP FLU DT AVIAN MANFEST NEC	48811 48812 48819	FLU DT H1N1 W PNEU FLU DT H1N1 W OTH RESP FLU DT H1N1 MANFEST NEC	
<b>ICD-9</b> - 3239 3249	CM Lung cancer procedure codes: OTH SEG LUNG RESECT NOS LOBECTOMY OF LUNG NEC	3259	OTHER PNEUMONECTOMY NOS	

## FTR 6 - GI Hemorrhage/Acute Ulcer

A diagnosis of hemorrhage or acute ulcer in any secondary field.

CLASSIFIED ELSEWHERE W/ BLEEDING PERFORATION – W/O MENTION OF	
5307 GASTROESOPHAGEAL LACERATION- HEMORRHAGE SYNDROME  53191 UNSPECIFIED AS ACUTE OR CHRONI	C,
53082 ESOPHAGEAL HEMORRHAGE W/O MENTION OF HEMORRHAGE OR	·
Gastric ulcer PERFORATION – W/ OBSTRUCTION	
53100 ACUTE W/ HEMORRHAGE – W/O <u>Duodenal ulcer</u>	
MENTION OF OBSTRUCTION 53200 ACUTE W/ HEMORRHAGE – W/O	
53101 ACUTE W/ HEMORRHAGE – W/ MENTION OF OBSTRUCTION	
OBSTRUCTION 53201 ACUTE W/ HEMORRHAGE – W/	
53110 ACUTE W/ PERFORATION – W/O OBSTRUCTION	
MENTION OF OBSTRUCTION 53210 ACUTE W/ PERFORATION – W/O	
53111 ACUTE W/ PERFORATION – W/ MENTION OF OBSTRUCTION	
OBSTRUCTION 53211 ACUTE W/ PERFORATION – W/	
53120 ACUTE W/ HEMORRHAGE AND OBSTRUCTION	
PERFORATION – W/O MENTION OF 53220 ACUTE W/ HEMORRHAGE AND	
OBSTRUCTION PERFORATION – W/O MENTION OF	
53121 ACUTE W/ HEMORRHAGE AND OBSTRUCTION  OBSTRUCTION  OBSTRUCTION	
PERFORATION – W/ OBSTRUCTION 53221 ACUTE W/ HEMORRHAGE AND	
53130 ACUTE W/O MENTION OF PERFORATION – W/ OBSTRUCTION	
HEMORRHAGE OR PERFORATION – 53230 ACUTE W/O MENTION OF	
W/O MENTION OF OBSTRUCTION HEMORRHAGE OR PERFORATION –	
53131 ACUTE W/O MENTION OF W/O MENTION OF OBSTRUCTION	
HEMORRHAGE OR PERFORATION – W/ 53231 ACUTE W/O MENTION OF	۸//
OBSTRUCTION HEMORRHAGE OR PERFORATION – V OBSTRUCTION	V/

53290	UNSPECIFIED AS ACUTE OR CHRONIC,	53421	ACUTE W/ HEMORRHAGE AND
	W/O MENTION OF HEMORRHAGE OR		PERFORATION – W/ OBSTRUCTION
	PERFORATION – W/O MENTION OF	53430	ACUTE W/O MENTION OF
	OBSTRUCTION		HEMORRHAGE OR PERFORATION –
53291	UNSPECIFIED AS ACUTE OR CHRONIC,		W/O MENTION OF OBSTRUCTION
	W/O MENTION OF HEMORRHAGE OR	53431	ACUTE W/O MENTION OF
	PERFORATION – W/ OBSTRUCTION		HEMORRHAGE OR PERFORATION – W/
Peptic u	lcer		OBSTRUCTION
53300	SITE UNSPECIFIED ACUTE W/	53490	UNSPECIFIED AS ACUTE OR CHRONIC,
	HEMORRHAGE – W/O MENTION OF		W/O MENTION OF HEMORRHAGE OR
	OBSTRUCTION		PERFORATION – W/O MENTION OF
53301	SITE UNSPECIFIED ACUTE W/		OBSTRUCTION
	HEMORRHAGE – W/ OBSTRUCTION	53491	UNSPECIFIED AS ACUTE OR CHRONIC,
53310	SITE UNSPECIFIED ACUTE W/		W/O MENTION OF HEMORRHAGE OR
	PERFORATION – W/O MENTION OF		PERFORATION – W/ OBSTRUCTION
	OBSTRUCTION	Gastritis	and duodenitis:
53311	SITE UNSPECIFIED ACUTE W/	53501	ACUTE GASTRITIS – W/ HEMORRHAGE
	PERFORATION – W/ OBSTRUCTION	53511	ATROPHIC GASTRITIS – W/
53320	SITE UNSPECIFIED ACUTE W/		HEMORRHAGE
	HEMORRHAGE AND PERFORATION -	53521	GASTRIC MUCOSAL HYPERTROPHY -
	W/O MENTION OF OBSTRUCTION		W/ HEMORRHAGE
53321	SITE UNSPECIFIED ACUTE W/	53531	ALCOHOLIC GASTRITIS – W/
	HEMORRHAGE AND PERFORATION -		HEMORRHAGE
	W/O MENTION OF OBSTRUCTION	53541	OTHER SPECIFIED GASTRITIS - W/
53330	SITE UNSPECIFIED ACUTE W/O		HEMORRHAGE
	MENTION OF HEMORRHAGE AND	53551	UNSPECIFIED GASTRITIS AND
	PERFORATION – W/O MENTION OF		GASTRODUODENITIS – W/
	OBSTRUCTION		HEMORRHAGE
53331	SITE UNSPECIFIED ACUTE W/O	53561	DUODENITIS – W/ HEMORRHAGE
	MENTION OF HEMORRHAGE AND	53783	ANGIODYSPLASIA OF STOMACH AND
	PERFORATION – W/ OBSTRUCTION		DUODENUM – W/ HEMORRHAGE
53390	SITE UNSPECIFIED AS ACUTE OR	53784	DIEULAFOY LESION (HEMORRHAGIC)
	CHRONIC, W/O MENTION OF		OF STOMACH AND DUODENUM
	HEMORRHAGE OR PERFORATION -	56202	DIVERTICULOSIS OF SMALL INTESTINE
	W/O MENTION OF OBSTRUCTION		– W/ HEMORRHAGE
53391	UNSPECIFIED AS ACUTE OR CHRONIC,	56203	DIVERTICULITIS OF SMALL INTESTINE -
	W/O MENTION OF HEMORRHAGE OR		W/ HEMORRHAGE
	PERFORATION – W/ OBSTRUCTION	56212	DIVERTICULOSIS OF COLON - W/
Gastroje	ejunal ulcer		HEMORRHAGE
53400	ACUTE W/ HEMORRHAGE – W/O	56213	DIVERTICULITIS OF COLON – W/
	MENTION OF OBSTRUCTION		HEMORRHAGE
53401	ACUTE W/ HEMORRHAGE - W/	5693	HEMORRHAGE OF RECTUM AND ANUS
	OBSTRUCTION	56985	ANGIODYSPLASIA OF INTESTINE - W/
53410	ACUTE W/ PERFORATION – W/O		HEMORRHAGE
	MENTION OF OBSTRUCTION	56986	DIEULAFOY LESION (HEMORRHAGIC)
53411	ACUTE W/ PERFORATION – W/		OF INTESTINE `
	OBSTRUCTION	5780	HEMATEMESIS
53420	ACUTE W/ HEMORRHAGE AND	5781	BLOOD IN STOOL
	PERFORATION – W/O MENTION OF	5789	HEMORRHAGE OF GASTROINTESTINAL
	OBSTRUCTION		TRACT, UNSPECIFIED

## Exclude cases:

- with a principal diagnosis of hemorrhage or acute ulcer
- with a principal diagnosis of trauma
- with a principal diagnosis of alcoholism
- with a principal diagnosis of anemia
- with diagnosis of influenza
- MDC 6 (diseases and disorders of the digestive system)

- MDC 7 (diseases and disorders of the hepatobiliary system and pancreas) See *Patient Safety Indicators Appendices*:
- Appendix G Trauma Diagnosis Codes

	11				
ICD	ICD-9-CM Alcoholism diagnosis codes:				
291	O ALCOHOL WITHDRAWAL DELIRIUM	30392	OTHER AND UNSPECIFIED ALCOHOL		
291			DEPENDENCE - EPISODIC		
291		30393	OTHER AND UNSPECIFIED ALCOHOL		
291			DEPENDENCE - IN REMISSION		
291		30500	NONDEPENDENT ABUSE OF DRUGS,		
	INTOXICATION		ALCOHOL ABUSE - UNSPECIFIED		
291		30501	NONDEPENDENT ABUSE OF DRUGS,		
291			ALCOHOL ABUSE - CONTINUOUS		
	PSYCHOSES, ALCOHOL WITHDRAWAL	30502	NONDEPENDENT ABUSE OF DRUGS,		
291			ALCOHOL ABUSE - EPISODIC		
	(OCT05)	30503	NONDEPENDENT ABUSE OF DRUGS,		
291			ALCOHOL ABUSE – IN REMISSION		
	PSYCHOSES, OTHER	4255	ALCOHOLIC CARDIOMYOPATHY		
291		53530	ALCOHOLIC GASTRITIS, W/O MENTION		
303			OF HEMORRHAGE		
	UNSPECIFIED	53531	ALCOHOLIC GASTRITIS, W/		
303		==.10	HEMORRHAGE		
000	CONTINUOUS	5710	ALCOHOLIC FATTY LIVER		
303		5711	ACUTE ALCOHOLIC HEPATITIS		
000	EPISODIC	5712	ALCOHOLIC CIRRHOSIS OF LIVER		
303		5713	ALCOHOLIC LIVER DAMAGE,		
202	REMISSION	0000	UNSPECIFIED		
303		9800	TOXIC EFFECT OF ALCOHOL, ETHYL		
202	DEPENDENCE - UNSPECIFIED 91 OTHER AND UNSPECIFIED ALCOHOL	9809	ALCOHOL TOXIC EFFECT OF ALCOHOL,		
303	DEPENDENCE - CONTINUOUS	9609	UNSPECIFIED ALCOHOL		
	DEPENDENCE - CONTINUOUS		UNSPECIFIED ALCOHOL		
ICD-9-CM Anemia diagnosis codes:					
280		2851	ACUTE POSTHEMORRHAGIC ANEMIA		
	[CHRONIC]				
	-9-CM Influenza diagnosis codes:	10011	ELLI DE LIANA IM DNELL		
488		48811	FLU DT H1N1 W PNEU		
488		48812	FLU DT H1N1 W OTH RESP		
488	09 FLU DT AVIAN MANFEST NEC	48819	FLU DT H1N1 MANFEST NEC		